

KADANER, L.; DIK, T.

New method of preparing electrolytes for the electrodeposition  
of metals of the platinum group. Zhur.prikl.khim. 35 no.1:196-197  
Ja '62. (MIRA 15:1)

(Electroplating)

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PEREGUDOV, F.M. [Perehudov, F.M.], aspirant; KADANER, L.I., dotsent

Cold chloride electrolyte for iron coating. Mekh. sil'. hosp.  
12 no.11:18-19 N '61. (MIRA 14:11)

1. Khar'kovskiy institut mekhanizatsii sel'skogo khozyaystva.  
(Electroplating)  
(Agricultural machinery—Maintenance and repair)

KADANER, L.I., doktor tekhn.nauk

Distribution of current on electrodes and automation of electro-  
plating processes. Mashinostroenie no.4:66-70 JI-Ag '62.  
(MIRA 15:9)  
(Electroplating)

KADANER, Ley Il'ich; ALEKSANDROV, N.V., kand. khim. nauk, otv. red.;  
VAYNBERG, D.A., red.; KAGAN, M.Ye., tekhn. red.

[Uniformity of electroplated coatings] Ravnomernost' gal'va-  
nicheskikh pokrytii. Izd. Khar'kovskogo gos.univ., im.  
A.M.Gor'kogo, 1961. 413 p. (MIRA 16:5)  
(Electroplating)

PEREGUDOV, F.M.; KADANER, L.I.

Lamination and internal stresses of deposits obtained from chloride electrolytes of iron plating. Zhur.prikl.khim. 35 no.12:2624-2628 D '62. (MIRA 16:5)

(Iron plating) (Chlorides)

KADANER, L.I.; DIK, T.A.

Studying the corrosion of hot and electrolytically tinned  
sheet steel. Kona. i. ov. prom. 17 no.8:25-28 Ag '63.  
(MIRA 17:1)

1. Khar'kovskiy gosudarstvennyy pedagogicheskiy institut.

KADANER, L.I.; DIK, T.A.; LOKSHIN, Ya.Yu.; PARKHOMOVSKAYA, A.D.

Studying the protective characteristics of various lacquer coatings. Kons. 1 ov. prom. 18 no.8:23-26 Ag '63.

(MIRA 16:8)

1. Khar'kovskiy gosudarstvennyy pedagogicheskiy institut imeni G.S. Skovorody (for Kadaner, Dik). 2. Tsentral'nyy nauchno-issledovatel'skiy institut konservnoy i ovoshchesushil'noy promyshlennosti (for Lokshin, Parkhomovskaya).

(Protective coatings--Testing)

(Tin cans)

KADANER, Lev Il'ich, doktor tekhn. nauk; EYCHIS, A.P., kand.  
tekhn. nauk, retsenzent

[Electroplating] Gal'vanostegia. Kiev, Tekhnika,  
1964. 310 p. (MIRA 17:12)



KADANER, L.I.; DIK, T.A.; GAYVORONSKAYA, V.K.

Determining the porosity of a lacquer film on tin plate. Zav.  
lab. 30 no.8:962-963 '64. (MIRA 18:3)

ZUBKOV, M.Ye., inzh.; KADANER, L.I., doktor khimicheskikh nauk

Using the method of volt-ampere characteristics in regulating  
medium current density. Mashinostroenie no.2:74-76 Mr-Ap '65.  
(MIRA 18:6)

1 1155-86 EWP(e)/EWT(m)/EWP(t)/EWP(s)/EWP(b) IJP(c) JD/JQ

ACC NR: AP5023351

SOURCE CODE: UR/0304/65/000/005/0084/0085

AUTHOR: Vladimirova, I. P. (Engineer); <sup>44.55</sup> Zagrebel'naya, T. N. (Engineer); <sup>47.55</sup> Kadaner, <sup>39</sup> L. I. (Doctor of technical sciences)

ORG: none

TITLE: Electrochemical method of preparing electrolytes for iridium and ruthenium plating

SOURCE: Mashinostroyeniye, no. 5, 1965, 84-85

TOPIC TAGS: metal plating, electrodeposition, ruthenium electrolyte, iridium electrolyte, iridium, iridium deposition, ruthenium, ruthenium deposition, electrolyte, electrolyte preparation

ABSTRACT: A simple method of preparing electrolytes for the electrodeposition of iridium and ruthenium (used for instance as protective coatings on molybdenum and stainless steels) is described. To prepare an iridium electrolyte, iridium plates are placed in a solution of sulfuric or hydrochloric acid and comparatively rapidly dissolved by passing an alternating current through the solution. The rate of dissolution depends on the temperature and the current frequency and density. The maximum dissolution rate was achieved in a 40g/l HCl solution at 18—20C and a current density of 25—30 amp/dm<sup>2</sup>. Increasing the current frequency from 20 to 50 cps increased the rate of dissolution. Under optimum conditions, the current efficiency

Card 1/2

UDC: 621.357.5:546.96:546.93

L 4455-66

ACC NR: AP5023351

reaches 3 and 3-5% in hydrochloric and sulfuric acids, respectively. A ruthenium electrolyte is obtained by placing ruthenium powder (ruthenium is available in powder only) in a glass container filled with 0.2 N solution of hydrochloric acid, and fitted with a platinum electrode protected against contact with the solution by an insulating coating. A sufficiently rapid dissolving of ruthenium was achieved at a current density of 0.5 amp. The resulting solution had the red-brown color typical of ruthenium tetrachloride. Dense, compact deposits strongly adhering to the base metal were obtained. Orig. art. has: 1 figure. [MS]

SUB CODE: MM,GC/ SUBM DATE: none/ ORIG REF: 000/ OTH REF: 000/ ATD PRESS: 4126

BVK.  
Card 2/2

SOURCE CODE: UR/0432/66/000/001/0042/0043

ACC NR: AP7007584

AUTHOR: Naumenko, K. M.; Kadaner, L. I. (Doctor of technical sciences)

ORG: none

TITLE: Electrolytic deposition of bright rhodium coatings with low internal stresses

SOURCE: Mekhanizatsiya i avtomatizatsiya upravleniya, no. 1, 1966, 42-43

TOPIC TAGS: electrolytic deposition, rhodium

SUB CODE: 13

ABSTRACT: The authors study the effects which various additives, temperature, current shape and current density have on internal stresses of coatings deposited from an electrolyte containing 2 g/l rhodium and 50 g/l sulfuric acid. It was found that addition of 1 g/l selenic acid to the electrolyte reduces internal stresses considerably. It was found that pulsed current with reversible polarity with a frequency of 50 cps produces the best coating. Optimum conditions for bright coatings with low internal stresses were found to be a current density of 2.0-2.5 a/dm<sup>2</sup>; the duration of the cathode and anode periods being  $t_c=20$  sec and  $t_a=1$  sec or  $t_c=10$  sec and  $t_a=0.5$  sec. Best results that have been obtained to date were accomplished using equipment built by the Khar'kov Central Design Bureau of Electromechanical Instruments.

[JPRS: 37,111]

UDC: 621.359.3

Card 1/1

KADANER, Ya.D.

Content of some mineral elements in semiprocessed products  
made of sea kale. Vop. pit. 23 no.2:82-83 Mr-Ap '64.

(MIRA 17:10)

1. Kafedra tekhnologii proizvodstva produktov obshchestvennogo  
pitaniya (zav. - prof. D.I. Lobanov) Moskovskogo instituta na-  
rodnogo khozyaystva imeni Plekhanova.

KADANER, Ya.D.

Content of some trace elements in semi-processed sea kale. Vop.  
pit. 23 no.5:80 S-O '64. (MIRA 18:5)

1. Kafedra tekhnologii proizvodstva produktov obshchestvennogo  
pitaniya (zav. - prof. D.I.Lobanov) Moskovskogo instituta narodnogo  
khozyaystva imeni Plekhanova.

KUL'CHITSKIY, Ya.O.; KADAMER, Ye.I.

Stratigraphy of Cretaceous and Paleogene deposits in the south-  
eastern part of the Maramures-Pennine facies zone. Trudy VNIIGI no.12:  
45-60 '58. (MIRA 12:3)  
(Carpathian Mountains--Geology, Stratigraphic)



KADANIKOVA, V.

Distr: 4E2a(j)

Identification of organic compounds. XXVI. X-ray diffraction patterns of S,S-dialkyl-N-p-tolylsulfonylsulfonimines. Dobroslav Šnobl, Věra Kadaniková, Jaromír Petránek, and Miroslav Věšný. *Vysokomol. Soedin.* 8, 1837-48 (1966); cf. C.A. 50, 18659i; 52, 18544b. X-ray diffraction patterns are suitable for the identification of the ethers after conversion to the title compds., as shown by differentiation of 23 studied deriva. This method is safer than by means of m.p.s., eutectical temps., and molten masses and the deriva. do not require a high degree of purity. Values of the interplanar spacings  $d$ , as detd. by the usual technique, in org. compds. having a big elementary cell and low symmetry can be distorted owing to superposition, thus showing considerable deviations from tabulated values. The sources of errors and working technique are discussed. L. J. Urbancz.

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SNOEL, D.; KADANIKOVA, V.; VECERA, M.

Research Institute for Organic Syntheses, Pardubice-Rybitvi (for all)

Prague, Collection of Czechoslovak Chemical Communications, No 2, 1963  
pp 436-443

"Identifying Organic Compounds XLIV. Roentgenographic Identification of  
S-1-Naphthylmethylthiuroniumsalts of Homologous Mono- and Dicarboxylic  
acids"

(3)

KADANKA, V.

"Messages from Moon No. 2,"

p. 22 (Ceskoslovensky Vojak) Vol. 6, no. 23, Nov. 1957  
Prague, Czechoslovakia

SO: Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 4,  
April 1958

ŠNOBL, D.; KADANIKOVA, V.; VECERA, M.

Identification of organic compounds. Pt.44. Coll Cz Chem 28  
no.2:436-443 F '63.

1. Forschungsinstitut für organische Synthesen, Pardubice -  
Rybitví.

ZDENEK KADANKA

5  
2 May

7

Oscillographic polarography of steroids. Vladimír Morávek, Zdeněk Kadanka, and Libuše Minářová (Univ. Brno, Czech.). *Publ. fac. sci. univ. Masaryk* 16, 403-29 (1967) (in English).—Oscillographic polarography of solns. of pure steroids with a dropping electrode gave oscillograms (I) characteristic of the single steroids. The method can be used for their detn. The first OH groups in the cyclopentene-phenanthrene nucleus increased and addnl. OH groups decreased the slope of I. Esterification and especially replacement of the OH by keto groups gave high I values. The I were completely different for ergosterol and cholesterol and the shape of I differentiated between  $\alpha$ - and  $\beta$ -dimethyl-monocarbonyl derivs. The double bond at  $\Delta^4$  does not basically influence the shape or height of the I. H. Lustig.

Jeff

KADANOFF, D.; MUTAFOV, S.

On the configuration of the occipital and frontal regions of  
skulls of Bulgars. Dokl. Bolg. akad. nauk 17 no.5:507-510 '64.

LADANOFF, P. [Evdanov, P.]; MUTAFOV, S.

Configuration of the occipital and frontal parts of the skull  
of Bulgarians. Doklady BAN 17 no.5:507-510 '64

1. Medizinisches Institut Sofia, Lehrstuhl für Anatomie.

Anatomy

BULGARIA

KADANOFF, D., MUTAPOV, S., Department of Anthropology, Institute of Morphology

"Correlation Between Certain Important Foot Dimensions"

Sofia, Doklady Bolgarskoy Akademii Nauk, Vol 19, No 4, 1966, pp 337-339

Abstract: [German article] In the past there existed only a few foot indexes: width to length, height to length, and length to body height. Since the classical anthropometric methodology of R. Martin and K. Saller is not able to characterize fully the shape and size of the foot, the authors define a new set of eight indexes. They applied these subsequently to feet of 21,000 persons of differing age, and the present paper presents detailed results of the foot size-age correlation study carried out by means of these indexes. There are 2 Soviet-block and 3 Western references. (Manuscript received, 14 Jan 66.)



KADANOFF, D. [Kadanov, D.]; MUTAFOV, S.

Typically localized interfontanel ossicles of the cranial sutures.  
Doklady BAN 16 no.6:673-676 '63.

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KADANOV, D.

Typical structure of nerve endings of the gustatory receptors  
in man. Nauch. tr. Med. akad. Chervenkov, Sofia 1 no.1:1-14 1953.

1. Predstavena ot prof. D.Kadanov, zaveshdashch Katedrata po  
anatomia na choveka.

(TASTE BUDS, anatomy and histology)

ИЗДАНИЕ, Д.  
KADANOV, D., prof.

Receptors in the mucous membrane in man. Nauch. tr. Med. akad.  
Chervenkov, Sofia 1 no.1:15-28 1953.

1. Predstavena ot prof. D.Kadanov, saveshdashch Katedrata po  
anatomia na choveka.

(LARYNX, innervation,  
neuroreceptors of mucous membranes)  
(NERVE ENDINGS,  
larynx mucosa neuroreceptors)

KADANOV, D.

Morphology of atypical forms of gustatory receptors in the larynx.  
Nauch. tr. Med. akad. Chervenkov, Sofia 1 no.1:29-44 1953.

1. Medicinskaia akademiia im. V. Chervenкова. Kafedra po anatomii  
cheloveka svedeniushchii: prof. D. Kadanov.

(TASTE BUDS,

laryngeal mucosa)

(LARYNX, innervation,

taste buds)

KADANOV, D.

Perforations of the subclavian vein. Khirurgia, Sofia 6 no.7:396-401 1953.  
(CJML 25:5)

1. Head of Department of Human Anatomy at V. Chervenkov Medical Academy, Sofia.

BULGARIA / Human and Animal Morphology. Nervous System. S-2  
Peripheral Nervous System.

Abs Jour: Ref Zhur-Biol., No 14, 1958, 64772.

Author : ~~Kadanov~~, D.  
Inst : Medical Academy "V. Chervenkov".  
Title : Concerning Receptors of the Mucous of the Human  
Larynx.

Orig Pub: Nauchni tr. Med. Akad. "V. Chervenkov", 1953  
(1954), 1, No 14 15-28.

Abstract: In its own layer of the mucous membrane of the  
larynx, two types of receptors have been dis-  
covered: encapsulated ones (Meissner's corpuscles,  
Krause's flasks, and encapsulated glomeruli of  
various forms and sizes) and non-encapsulated ones  
(Glomeruli and cluster forms), usually located

Card 1/2

BULGARIA/Human and Animal Morphology. Nervous System, S-3  
Peripheral Nervous System

Abs Jour: Ref Zhur - Biol., No 19, 1958, 88400

Author : Kadanov, D.

Inst : Higher Medical Institute "V. Chervenkov"

Title : New Morphological Data Confirming the Pavlovian Concept of Muscular Activity

Orig Pub: Nauchni tr. Vissh. med. in-t" V. Chervenkov", 1954  
(1955), 2, No. 2, 1-17

Abstract: Innervation of the human ocular, palatine and facial muscles, as well as muscles of the larynx and tongue, was investigated. The demonstrated receptors (R) are distributed mostly to individual muscle fibres and are distinguished from the motor laminae by their epiglottal distribution, structure and the course of their nerve fibres. The last ones pass either along

Card 1/2

KADANOV, D.

Origin, course and distribution of the subclavian nerve.  
Khirurgiia, Sofia 8 no.2:138-145 1955.

1. Visshe meditsinski institut V. Chervenkov-Sofia katedra  
po anatomia na choveka Zav. katedrata: prof. D. Kadanov.  
(THORAX, innervation,  
subclavian nerve, anat.)



KADANOV, D.; MOROV, S., VASILEV, V.

Separation of the ramus descendens of the hypoglossal nerve from the vagus nerve and its connection with the descending cervical nerve. Khirurgia, Sofia 8 no.8:727-733 1955.

1. Vissh meditsinski institut V.Chervenkov - Sofia katedra po anatomia. Zaveshdashch katedrata: prof. D.Kadanov.

(NERVES, HYPOGLOSSAL, surgery,

separation of descending branch from vagus nerve & connection with descending cervical nerve)

(NERVES, VAGUS, surgery,

separation of descending branch of hypoglossal nerve from vagus & connection with descending cervical nerve)

(NERVES, CERVICAL PLEXUS, surgery,

separation of descending branch of hypoglossal nerve from vagus nerve & connection with descending cervical nerve)

BULGARIA / Human and Animal Morphology, Normal and Pathological. S-4  
Muscles.

Abs Jour : Ref Zhur - Biol., No 18, 1958, No 83712

Author : ~~Kadanov, D.~~ Karag'ozov, L.

Inst : Institute of Morphology, Bulgarian AS

Title : Origin and Development of Supernumerary Extensors in Human  
Fingers.

Orig Pub : Izv. In-ta morfol. B'lg, AN, 1957, kn. 2, 191-219

Abstract : On the basis of studies of 300 preparations of the arm, the  
supernumerary muscles were classified in two groups: mm. ex-  
tensores proprii accessorii and mm. extensores breves. The  
former appeared in 15,3 percent of the cases; they originate  
in the axillary area, the ulnar bone, fascia antebrachii and  
membrana interossea. In 13,6 percent of the cases, the  
third finger was found to have an extensor of its own, quite  
often connected with its extensor communis to the

Card 1/2

KADANOV, D.

"On the nerve endings in the perichondrium of the human nose cartilage"

IZVESTIIA. SERIIA EKSPERIMENTALNA BIOLOGIIA I MEDITSINA, Sofia, Bulgaria,  
No. 2, 1957.

Monthly List of East European Accessions Index (EEAI), The Library of  
Congress, Volume 8, No. 8, August 1959.

Unclassified

KADANOV, D.

"Concerning Microcephalic Skulls."

p. 243 (Izvestiia, Vol. 2, 1957, Sofia, Bulgaria)

Monthly Index of East European Accession (EEAI) LC, Vol. 7, No. 11,  
Nov. 1958

KADANOV, D., prof. dr. (Sofia); VASILEV, V. (Sofia); MANOLOV, St. (Sofia)

Experimental morphologic investigation of the nerve fibers and  
endings in cross-stripped muscles. Izv. Inst. morf. BAN 3:107-120 '59.  
(IBAI 9:5)

1. Chl-kor., zaveshdasht, Katedra po anatomia na choveka pri Visshia  
meditsinski institut. Sofia (for Kadanov).  
(NERVES) (MUSCLE)

KADANOV, D.

Anatomical nomenclature. Suvrem. med., Sofia 10 no.1:128-133 1959.

1. Iz Katedrata po anatomia pri VMI-Sofia (zav. katedrata: prof.  
D. Kadanov)

(ANATOMY,  
nomenclature (Bul))  
(NOMENCLATURE,  
anat. (Bul)).

KADANOV, D.

Similarities and differences between the interoceptors and exteroceptors in man. Izv Inst morf BAN 4:97-102 '61.

(PHYSIOLOGY) (NERVOUS SYSTEM)

KADANOV, D., prof.

Contributions of N. I. Pirogov in anatomy (on the 150th anniversary of his birthday). Khirurgiia, Sofia 14 no.9:831-835 '61.

1. Chlen korespondent na BAN.

(ANATOMY) (BIOGRAPHIES)



KADANOV, D.; BOZHILOV, V.

Embryonic development of the tast buds in the human tongue. Izv  
Inst morf BAN 4:143-148 '61.

(TONGUE) (TASTE)

KADANOV, Dimitur

Development and condition of nerve morphology in the world and in  
Bulgaria. Spisanie BAN 6 no.1:29-37 '61. (KEAI 10:9/16)

1. Chl.-kor. Bulgarska akademija na naukite.

(MORPHOLOGY) (NERVOUS SYSTEM)

KADANOV, Dimitur; BOEV, Petur

Corporal proportions in twins. Izv Inst morf BAN no.5:  
135-158 '62.

1. Chlen na Redaktsionnata kolegiia, "Izvestiia na Instituta  
po morfologiiia" (for Kadanov). 2. Chlen i sekretar na  
Redaktsionnata kolegiia, "Izvestiia na Instituta po  
morfologiiia" (for Boev).

KADANOV, D., prof., d-r

Teaching reception and its carriers, the receptors. Priroda  
Bulg 11 no.5:13-19 8-0 '62.

1. Chl.-kor. na Bulgarskata akademiia na naukite.

KADANOV, D., prof d-r; MUTAFOV, St., d-r; ZHIVKOVA, L., inzh.

Types and subtypes of the soles of Bulgarian people.  
Kozhi Sofia 4 no.3:3-6 '63.

KADANOV, D., d-r, prof.; ZHIVKOVA, L., inzh.; MUTAFOV, St., d-r.

Distribution of soles according to their measurements and the correlation between their individual measuring elements. Kozhi Sofia 4 no. 5/6:8-9, 10 '63.

1. Chl. kor. na Bulgarskata akademiia na naukite (for Kadanov)

KADANOV, D., d-r, prof.; MUTAFOV, St., d-r.

Foot diseases. Kozhi Sofia 4 no.7:7-8 '63.

1. Chl.kor. na Bulgarskata akademiia na naukite (for Kadanov).

KADANGV, D., prof. d-r; ZHIVKOVA, L., inzh.; MUTAFOV, St., d-r

From the sole to the last. Kozhi Sofia 4 no. 8: 6-8  
'63.



KADANOV, Dimitur, prof. d-r.; MUTAFOV, Stefan, St., d-r; KHITOV, Ivan  
Nikolov; ANDREEV, Liuben Savov, arkh.

Sedoanthropometer, a device for anthropological measurement  
of sitting positions. Durvomebel prom 7 no.1:27-29 Ja-F'64

1. Chlen korespondent na Bulgarskata akademiia na naukite  
(for Kadanov).

KADANOV, D., prof.; BOZHILOV, V., d-r.

"Structure of the peripheral nervous system in the embryogenesis of man" by D.M. Golub. Reviewed by D.Kadanov and V.L.Bozhilov.  
Spisanie BAN 8 no.2:98-100 '63

KADANOV, D., prof. d-r; MUTAFOV, St., d-r

General shape of the foot sole of the Bulgarian population.  
Kozhi Sofia 4 no. 4:6-9 '64.

1. Corresponding Member of the Bulgarian Academy of Sciences  
(for Kadanov).

KADANOV, D., prof.d-r

Study of human races. Prir i znanie 16 no.6:1-3 Je'63

1. Chl.-kor. na Bulgarskata akademiia na naukite.

KADANOV, D., prod. d-r; MUTAFOV, St., d-r; KONSTANTINOV, K.

Application of the multicomponent sole scale in the shoe industry. Kozhi Sofia 5 no. 1: 7-8 '64.

KADANOV, D.; MUTAFOV, St.

Problems of medical anthropology. Suvr. med. (Sofia) no.2:  
23-30 '64

KADANOV, Dimitur, d-r, prof.; MUTAFOV, Stefan, d-r; BOZHILOV, Vladimir, d-r

Application of anthropological standardization in the light  
industry in Bulgaria and abroad. Tekstilna prom 13 no.6:23-25 '64.

1. Corresponding Member of the Bulgarian Academy of Sciences.

KADANOV, D.; BOZHILOV, VI.

Development of nerve fibers and receptors in the skin of man.  
Izv Inst morf BAN 9/10:37-47, '64.



KADANOV, D. prof.; MUTAFOV, St.; PANDOVA, B.

Regio pterica and os epiptericum in the Bulgarian. Nauch. tr.  
vissh. med. inst. Sofia 43 no.5:1-9 '64

1. Chair of Anatomy.(Director: prof. D. Kadanov).

KADANOV, D.

~~LAZAROV, B.~~

Bulgaria

Higher Medical Institute, Department of Pathological  
Anatomy (VMI-Katedra po patologicheska anatomiya).

Director: B. Kurishiev, Prof.

Department of Anatomy (Katedra po anatomiya),  
Director: D. Kadanov, Prof.

Sofia. Khirurgiya. No 1. 1966, pp 90-95.

"Chronic Parulent Cholangitis and Biliary Cirrhosis  
Caused by a Rare Variation of the Portal Vein."

Co-Authors:

V. Mahaveeva

G. Angelov

Subject : USSR/Engineering AID P - 5365  
Card 1/1 Pub. 103 - 20/25  
Author : Kadanov, I. R.  
Title : Packing with rubberized cork  
Periodical : Stan. i instr., <sup>27</sup>8 , 40-41, Ag 1956  
Abstract : The properties of the "4404 mixture" of cork and rubber used in the stuffing box of double-action rotary pumps are described. One drawing and 1 graph; GOST 1707-51.  
Institution : (Moscow) "Kauchuk" (Rubber) Plant, the developer of the "4404 mixture"  
Submitted : No date

KADANOV, I.R., inzh.

Results of testing the TUM-975 sidewalk cleaning machine.  
Stroi. i dor. mash. 10 no.9:32-33 S '65. (MIRA 18:10)

L 02367-67 EWT(m)/EWP(t)/ETI IJP(c) JD/HW/WR  
 ACC No: AP6031945 SOURCE CODE: UR/0080/66/039/009/1956/1959

AUTHOR: Kadaner, L. I.; Masik, A. Kh.; Peregudov, F. M.; Bakalyuk, Ya. Kh. 49  
 B

ORG: none

TITLE: Increasing the adhesion strength of metal coatings by [base metal] passivation 16

SOURCE: Zhurnal prikladnoy khimii, v. 39, no. 9, 1966, 1956-1959

TOPIC TAGS: steel passivation, copper ~~coating~~, nickel ~~coating~~, iron ~~coating~~,  
 aluminum ~~coating~~, ~~coating adhesion strength~~, ~~passivated steel coating~~ METAL  
 COATING, ELECTROLYTIC DEPOSITION

ABSTRACT: The effect of passivation of the steel base on the adhesion strength of  
 copper, nickel, iron and aluminum coatings deposited by electrolysis or by hot dipping  
 has been investigated. Steel specimens were passivated in concentrated nitric acid  
 at 4-8C or in an aqueous solution containing (g/l) NaOH-150, Na NO<sub>2</sub>- 300, Fe<sub>2</sub>(SO<sub>4</sub>)<sub>3</sub>·  
 9H<sub>2</sub>O - 5 at 106-114C for 8-12 sec. Copper coatings, deposited on steel passivated  
 in nitric acid, had a high adhesion strength. The average value of the separation  
 work was  $1.73 \cdot 10^6$  erg/cm<sup>2</sup> compared with  $0.63 \cdot 10^6$  erg/cm<sup>2</sup> for coatings deposited  
 on nonpassivated specimens. The corresponding values for nickel coating on steel were  
 $5.01 \cdot 10^6$  erg/cm<sup>2</sup> and  $2.49 \cdot 10^6$ . The separation of electrolytically deposited iron  
 coatings occurred, as a rule, at the boundary between the base metal and the coating.  
 Anodic passivation of steel in 30% sulfuric acid solution for 2 min slightly increased

Card 1/2 UDC: 621.357

L 02367-67

ACC NR: AP6031945

the adhesion strength of iron coating to 6.28 kg/mm<sup>2</sup>. Passivation in sulfuric-acid solution with 20 g/l chromite increased the adhesion strength to about 10.57 kg/mm<sup>2</sup>. Aluminum coatings after preliminary passivation had adequate adhesion strength. In general, the passivation increases the adhesion strength of coatings deposited by electrolysis or by hot dipping.

SUB CODE: //13/ SUBM DATE: 02Sep64/ ORIG REF: 008/ OTH REF: 001

Card 2/2

vmb

KADANOV, R.Z.

137-58-5-11204

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 5, p 329 (USSR)

AUTHORS: Kadanov, R.Z., Zemyankevich, M.M.

TITLE: Electrometric Determination of Silver (Elektrometricheskoye opredeleniye serebra)

PERIODICAL: Radiotekhn. proiz-vo, 1957, Nr 8, pp 17-19

ABSTRACT: An electrometric method was adapted at the VEF plant making it possible to determine the content of Ag in Ag-plated components made of nonferrous metal; the method is equally suitable for the analysis of alloys and solutions. The Ag-coated part is dissolved in  $\text{HNO}_3$  and the resulting solution, containing  $> 0.01$  g of Ag, is titrated with NaCl under constant stirring. The end of the titration is determined with the aid of an electrode pair, and the point of zero potential difference is identified by a galvanometer with a  $\pm 50$ -amp dial, each graduation on which is equal to  $0.5 \times 10^{-6}$  amp. A constant resistance is supplied by a 10,000-20,000 ohm resistor box. The indicating electrode consists of an amalgamated Ag wire 80-100 mm long and 0.8-1.5 mm in diameter. The standard electrode consists of an identical Ag wire immersed into a paste made of  $\text{Ag}_2\text{CrO}_4$  and agar-agar;

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137-56-5-11204

# Electrometric Determination of Silver

gel; the latter serves as the contact. The process of determination requires 5-10 minutes.

1. Silver--Determination
2. Silver plating--Applications

N.G.

Card 2/2



KADANOV, R.Z., inzh.

Mechanization and automation of electroplating processes. Mekh.i avtom.  
proisv. 17 no.1:7-10 Ja '63. (MIRA 16:8)  
(Electroplating) (Automation)

BULGARIA

St. As. MANOLOV, Department of Anatomy, Medical School (Katedrata po anatomiya Vysshi meditsinskiy institut, Head (rukovoditel) Prof D. KADANOV, Sofia.

"Vertebral and Basilar Arteries and their Cerebellar and Pontine Branches."

Sofia, Eksperimentalna Meditsina i Morfologiya, Vol 2, No 1, Jan-Mar 63; pp 19-25.

Abstract [English summary modified]: Anatomic study in 100 necropsy specimens. These arteries and their branches are usually much better developed on the left than the right side. The commonest deviations are described and discussed.

1/1

KADANTSEV, F.G.

Unlawful formulation of a law. Khim.v shkole no.4:67 J1-Ag '53.

(MLBA 6:8)

(Chemistry--Study and teaching)

KADANTSEV, F.G.

Alternating-current vibrator. Fiz.v shkole 14 no.2:50-52  
Mr-Apr '54.

(MIRA 7:2)

1. 3-ya shkola rabochey molodeshi Moskovsko-Ryazanskoy zheleznoy  
dorogi.  
(Time measurements)

KADANTSEV, P.G.

Use of a standard frequency vibrator in the study of waves.  
Fiz. v shkole 14 no.3:48-49 My-Je '54. (MLRA 7:7)

1.3-ya shkola rabochey molodeshi Moskovsko-Ryazanskoy sh.d.  
(Sound waves--Study and teaching)

KADANTSEV, F.G.

Demonstrations and measurements by means of neon lamps. Fiz. v  
shkole 15 no.4:63-66 J1-Ag'55. (MLRA 8:10)

1. 3-ya shkola rabochey molodeshi, stantsiya Rybnoye Moskovsko-  
Ryazanskoy zheleznoy dorogi  
(Neon lamps) (Electricity--Experiments)

**KADANTSEV, F.G.**

Determining the power of electric motors without using tachometers. Fiz. v shkole 17 no.3:69-70 My-Je '57. (MLRA 10:6)

1. St. Rybnoye Moskovsko-Ryazanskoy zheleznoy dorogi.  
(Electric motors)

KADANTSEV, M.D.

Adapting a school drawing class to the demands of industrial  
training. Uch. zap. Velikoluk. gos. ped. inst. no.16:101-  
104 '61. (MIRA 16:7)

(Manual training)



L 3601-66 EWT(m) DIAAP

ACCESSION NR: AP5024038

UR/0057/65/035/009/1606/1609  
538.561

AUTHOR: Barsukov, K. A.; Kadantsev, V. N.

TITLE: Concerning peculiarities of the radiation of point dipoles moving in narrow cavities in magnetoactive media

SOURCE: Zhurnal tekhnicheskoy fiziki, v. 35, no. 9, 1965, 1606-1609

TOPIC TAGS: Cerenkov radiation, magnetic dipole, electric dipole, magnetoactive plasma, ferrite, inhomogeneous medium

ABSTRACT: The authors calculate the Cerenkov radiation<sup>19</sup> of an electric or magnetic dipole moving in a narrow linear or plane cavity in an active medium characterized either by a Hermitian dielectric tensor similar to that of a magnetized plasma or by a Hermitian magnetic permeability tensor similar to that of a magnetized ferrite. It is shown that if the axis of the dipole is parallel to that of the linear cavity or to the walls of the plane cavity, the presence of the narrow cavity has no effect. If the axis of the dipole is perpendicular to its direction of motion, however, the presence of the infinitely narrow cavity has a finite effect. This effect is calculated for both linear and plane cavities for the case in which the cavity is cut in a normal (scalar) medium and filled with an active medium and for

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ACCESSION NR: AP5024038

the case in which the cavity is cut in an active medium and is filled with a normal medium. If one assumes that the active medium is a magnetized plasma, one finds that the expression obtained for the power radiated from the plane cavity is singular at the two frequencies that limit the pass band of a plasma waveguide. This singularity is only apparent and is due to neglect of higher powers of  $af/c$ , where  $a$  is the thickness of the cavity,  $f$  is the frequency, and  $c$  is the velocity of light. Orig. art. has: 13 formulas.

ASSOCIATION: Fizicheskiy institut im. P.N.Lebedeva AN SSSR, Moscow (Physics Institute, AN SSSR)

SUBMITTED: 21May64

ENCL: 00

SUB CODE: EM, ME

NO REF SOV: 004

OTHER: 000

Card

2/2

KADANTSEV, V.V., gornyy inzh.; AMIRANASHVILI, V.P., gornyy inzh.

Condition of mine support and character of the manifestation  
of rock pressure in major and development workings in deep  
Donets Basin mines. Ugol' 39 no.10:17-19 O '64.

(MIRA 17:12)

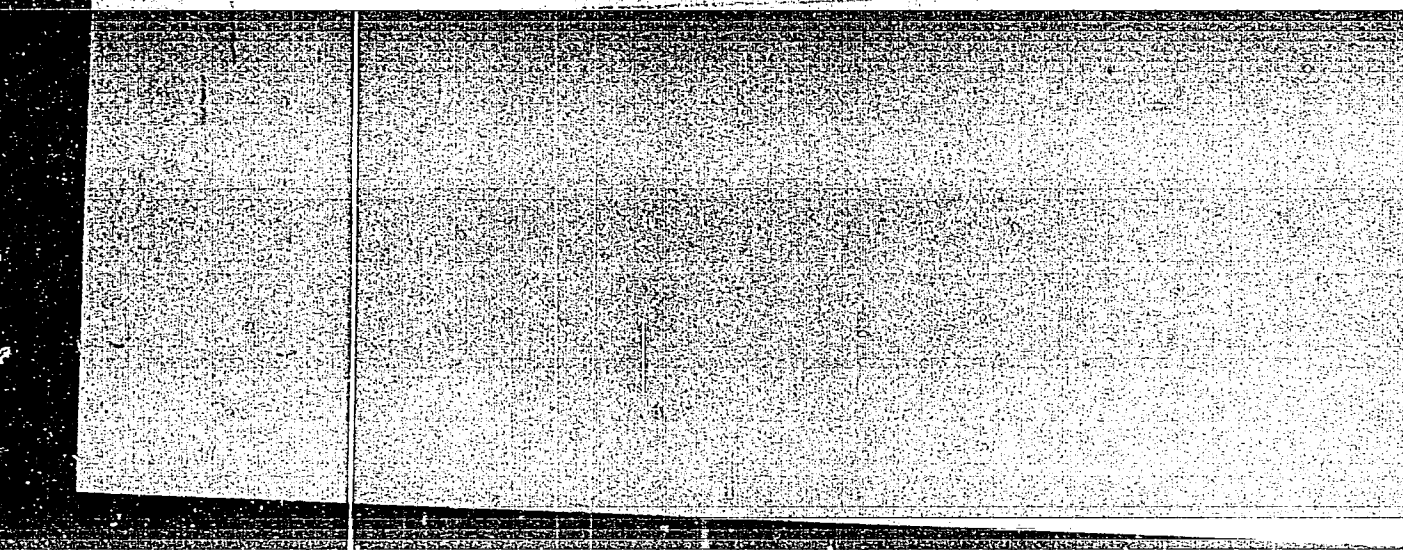
1. Moskovskiy institut radioelektroniki i gornoy elektromekhaniki  
i Institut gornogo dela im. A.A. Skochinskogo.

KOROTKOVA, G.P.; YEFREMOVA, S.M.; KADANTSEVA, A.G.

Characteristics of morphogenesis in the development of Sycon  
lingua from small fragments of its body. Vest. LGU 20 no.21:14-  
30 '65. (MIRA 18:12)

"APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R000519820017-8



APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R000519820017-8"

KADAR, A.

Important results of Soviet coal mining in the field of hydraulic coal production.  
p. 642. (Banszati Lapok, Budapest, Vol. 9, no. 12, Dec 1954)

SO: Monthly list of East European Accessions (EEAL), LC Vol 4, no. 6, June 1955 Uncl

KADAR, A.

Simultaneous cutting and filling in the Kuznetsk Basin. p. 648. (Banszati  
Lapok, Budapest, Vol. 9, no. 12, Dec 1954)

SO: Monthly list of East European Accessions (EEAL), LC Vol 4, no. 6, June 1955 Unc:

KADAR, A.

KADAR, A. - Banyaszati Lapok - Vol. 10, no. 5, May 1955

Contest for designing a group of machines to completely mechanize every hewing operation. p. 258

SO: Monthly list of East European Accessions, (EEAL) LC, Vol. 4, No. 9, Sept, 1955  
Uncl.



KADAR, Aba, ckleveles gepeszmernok

Dimensioning to contact voltage. Villamosag 8 no.1:16-20 Ja  
'60.

1. Hoenergiagaszasagi es Tervezo Vallalat.

KADAR, Aba, okleveles gepeszmernok

Effect of inductance on the design of neutrals. Elektrotechnika  
53 no.5/6:240-242 '60.

1. HOTERV.

KADAR, Aba, okleveles gepeszmernok

Contact protection of electric household appliances. Villamosag  
11 no.1:15-22 Ja '63.

1. Hoenergiagazdasagi es Tervezo Vallalat.

KADAR, Aba

Reply to Frigyes Lomb's remarks. Villamosag 11 no.7:216-217 JI '63.

KADAR, Aba, dypl. inz.

Protection against electric shock in low voltage receiving  
installations. Wlad elektrotechn 33 no.9:269-275 S'64

1. Deputy Chief Engineer, Research Institute of Power Engineering  
Budapest.

KADAR, Aba, okleveles gepeszmernok

The new "Safety Rules." Villamosag 13 no.3:85-88 Mr '65.

KADAR, Aba, okleveles gépészmérnök

The new Safety Rules. Szabványi közl 17 no.4:178-182 Ap '65.

FEHER, Tibor, dr.; KADAR, Andras, dr.; KOREF, Oszkar, dr.

Changes in the androgen and glyecorticoid metabolism in various  
age groups with special reference to children. Orv. hetil. 105  
no. 46:2168-2171 15 N '64.

1. Budapesti Orvostudományi Egyetem, I. Belklinika és II.  
Gyermecklinika.



JELLINEK, Harry, dr.; CSILLAG, Istvan, dr.; KADAR, Anna, dr.

Role of plastics in blood vessel surgery. Elovilag 5 no.4:38-41  
O-D '60.

1. "Elovilag" szerkeszto bizottsagi tagja (for Jellinek).

HUNGARY

CSONTAI, Agoston, Dr. KADAR, Anna, Dr: Medical University of Budapest, Urological Clinic (director: BABICS, Antal, Dr) and II. Institute of Pathological Anatomy (director: HARANGHY, Laszlo, Dr) (Budapesti Orvostudományi Egyetem, Urológiai Klinika és II. Kóronctani Intézet).

"Metastatic Thyroid Adenoma Resembling Tumor of the Pyelum"

Budapest, Orvosi Hetilap, Vol 107, No 38, 18 Sep 66, pages 1812-1814.

Abstract: [Authors' Hungarian summary] A case of metastatic thyroid adenoma is described which manifested itself in symptoms of a tumor in the renal pelvis. Following discussion of the clinical course, the literature on the disease and the various views presented therein are discussed. A case similar to the one reported was not found in the available literature. 3 Hungarian, 17 Western references.

1/1

- 50 -

Clinical data on chronic recurrent pancreatic necrosis. Magy. sebesz. 17 no.2:98-101 Ap'64

1. A Budapesti Orvostudományi Egyetem I. sz. Sebészeti és Tudománygyógyászati Klinikájának; valamint II.sz. Kóronctani Intézetének közleménye.

\*

JELLINEK, H.; CSILLAG, I.; KADAR, Anna

Regeneration of vessel walls after the implantation of knitted synthetic tubes. Acta chir. Acad Sci Hung 2 no.1:1-11 '61.

1. 2nd Department of Pathologic Anatomy (Director: Prof. L. Haranghy)  
University Medical School, Budapest; Department of Surgery, John's  
Hospital, Budapest (Chief surgeon: R. Gergely).  
(BLOOD VESSELS surg)

JELLINEK, H.; CSILLAG, I.; KADAR, Anna

Fine structure studies on the use of plastic blood vessels.  
Acta chir. acad. sci. Hung. 4 no.3:257-261 '63.

1. Pathologisches Institut (Direktor: Prof. Dr. L. Haranghy)  
der Medizinischen Universität und Chirurgische Abteilung  
(Chefarzt: Dr. R. Gergely) des Janos-Krankenhauses, Budapest.  
(BLOOD VESSEL PROSTHESIS) (PLASTICS)  
(HISTOLOGY)

ANDREYENKO, S.S.; KADAR, D.

Variation of some physiological processes in corn roots and leaves under different conditions of nitrogen nutrition.

Nauch.dokl.vys.shkoly;biol.nauki no.4:160-164 '58.

(MIRA 11:12)

1. Rekomendovana kafedroy fiziologii rasteniy Moskovskogo gosudarstvennogo universiteta imeni M.V.Lomonosova.

(Corn (Maize)) (Plants, Effect of nitrogen on)

KADAR, Damian

SURNAME, Given Names

Country: Rumania

Academic Degrees: -Biologist-

Affiliation: -not given-

Source: Bucharest, Stiinta si Tehnica (Supplement), No 8, Aug 1961, pp 6-7.

Data: "The Biology of Extended Cosmic Flights."

GPO 981643

FALAR, E.

KADAR, E. Introduction of the single-axle trailer into Hungarian agriculture. p. 7.

Vol. 3, No. 1, Jan. 1956.

JARMUVEK MEZOGAZDASAGI GEPEK.

TECHNOLOGY

Budapest, Hungary

So: East European Accession, Vol. 5, No. 5, May 1956

F. KADAR.

"Topographic correlations between the arterial and venous system of the kidney."  
p. 416 (ACTA MORPHOLOGICA ACADEMIAE SCIENTIARUM HUNGARICAE, Vol. 2, No. 4, 1952,  
Budapest, Hungary)

SO: Monthly List of East European Accessions, L.C., Vol. 2 No. 7, July 1953, Uncl.



KADAR, F.;BALINT, J.

The blood supply of the gallbladder. Magy. sebesset 6 no.2:106-108  
May 1953. (CML 25:4)

1. Doctor for Kadar. 2. Institute of Anatomy (Director -- Prof. Dr.  
Ferenc Kiss), Budapest Medical University.

KADAR, F.

"Some Problems of Navigation in Hungary." p. 330 (KOZLEKEDESTUDOMANYI  
SZEMLE. Vol. 4, No. 9, Sept. 1954; Budapest, Hungary.)

So: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 4,  
April 1955, Uncl..

KADAR, Ferenc

Transportation of dangerous goods by seagoing ships.  
Kozleked kozl 18 no.35:645-647 2 S '62.

KADAR, Ferenc

The future of the ship radar, the ship radar of the future.  
Kozleked kozl 19 no.11:168-170 17 Mr '63.